

The Magnuson-Stevens Fishery Conservation and Management Act

REGIONAL FISHERY MANAGEMENT COUNCILS

<u>Council</u>	<u>Constituent States</u>	<u>Telephone Number</u>	<u>Executive Directors and Addresses</u>
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	978-465-0492 FAX: 465-3116	Paul J. Howard 50 Water St. The Tannery -- Mill 2 Newburyport, MA 01950
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, Virginia, and North Carolina)	302-674-2331 FAX: 674-5399	Daniel T. Furlong Federal Bldg., Rm. 2115 300 South New St. Dover, DE 19904
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia and Florida)	843-571-4366 FAX: 769-4520	Robert K. Mahood Southpark Bldg. - Rm. 306 1 Southpart Circle Charleston, SC 29407
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-228-2815 FAX: 225-7015	Wayne E. Swingle 3018 U.S. Highway 301, North Suite 1000 Tampa, FL 33619
CARIBBEAN	(U.S. Virgin Islands and Commonwealth of Puerto Rico)	787-766-5926 FAX: 766-6239	Miquel A. Rolon 268 Ave. Munoz Rivera Suite 1108 San Juan, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-820-2280 FAX: 820-2299	Donald O. McIsaac 7700 NE Ambassador Place Suite 200 Portland, OR 97220
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809 FAX: 271-2817	Chris W. Oliver 605 W. 4th Ave. Room 306 Anchorage, AK 99501
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and Commonwealth of the Northern Mariana Islands)	808-522-8220 FAX: 522-8226	Kitty M. Simonds 1164 Bishop St. Suite 1400 Honolulu, HI 96813

The Magnuson-Stevens Fishery Conservation and Management Act

FINAL INITIAL ANNUAL SPECIFICATIONS AND RESEARCH SETASIDE(RSA), IN METRIC TONS (MT), ATLANTIC MARCKEREL, SQUID AND BUTTERFISH FOR THE FISHING YEAR JANUARY 1 THROUGH DECEMBER 31, 2003

Item	Loligo squid	Illex squid	Atlantic mackerel	Butterfish
	-----Metric tons, round weight-----			
Maximum OY	26,000	24,000	(1) N/A	16,000
ABC	17,000	24,000	347,000	7,200
Initial OY	(5) 16,872.5	24,000	(2) 175,000	5,900
DAH	16,872.5	24,000	(3) 175,000	5,900
DAP	16,872.5	24,000	150,000	5,900
JVP	0	0	(4) 10,000	0
TALFF	0	0	0	0
RSA	127.5	0	0	0

(1) Not applicable.

(2) Initial OY may be increased during the year but the total ABC will not exceed 347,000 mt.

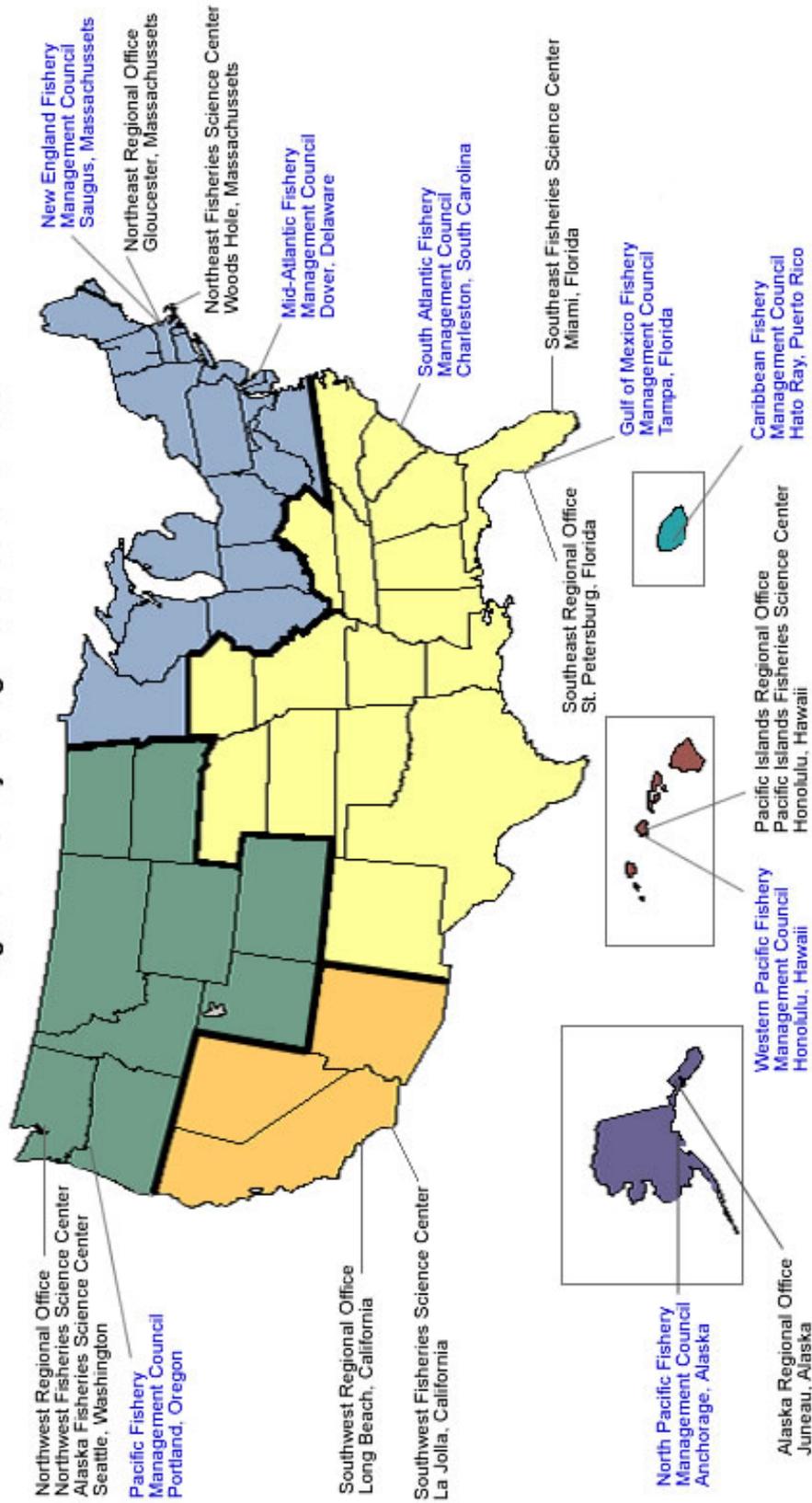
(3) Includes 15,000 mt of Atlantic mackerel recreational allocation.

(4) JVP may be increased up to 20,000 mt at discretion of Regional Administrator.

(5) Excludes 127.5 mt for RSA.

Source: NMFS, Office of Sustainable Fisheries, F/SF and NMFS, Northeast Region, F/NER.

NOAA Fisheries Regional Offices and Science Centers Regional Fishery Management Council Offices



General Administrative Information ---

UNITED STATES DEPARTMENT OF COMMERCE

14th and Constitution Ave., NW
Washington, DC 20230

**MAIL
ROUTING
CODE**

**TELEPHONE
NUMBER**

-- **Secretary of Commerce**
Donald L. Evans 202-482-2112

A **Under Secretary of Commerce for Oceans and Atmosphere**
Conrad C. Lautenbacher, Jr., Vice Admiral, U.S. Navy (Ret.) 202-482-3436

NATIONAL MARINE FISHERIES SERVICE

1315 East-West Highway
Silver Spring Metro Center #3 (SSMC #3)
Silver Spring, MD 20910

F **Assistant Administrator for Fisheries --**
William T. Hogarth, Ph.D. 301-713-2239

Deputy Assistant Administrator for Regulatory Programs --
Rebecca J. Lent, Ph.D. 301-713-2239

Deputy Assistant Administrator for Operations --
John Oliver 301-713-2239

Director, Scientific Programs & Chief Science Advisor --
Michael Sissenwine, Ph.D. 301-713-2239

Chief Information Officer --
Larry Tyminski 301-713-2372

Equal Employment Opportunity --
Natalie Huff 301-713-1456

Senior Advisor for Intergovernmental Programs
James Lecky (Acting)

F/CS **Constituent Services --**
Linda Chaves 301-713-2379

F/CS1 Constituent and Outreach Services 301-713-2379

F/CS2 Financial Services 301-713-2390

F/EN **Office of Law Enforcement --**
Dale Jones 301-427-2300

F/EN1 Enforcement Operations Division 301-427-2300

F/SI **Seafood Inspection Program --**
Richard Cano 301-713-2351

F/HC **Office of Habitat Conservation --**
Rolland A. Schmitt 301-713-2325

F/HCx1 Chesapeake Bay Program Office 410-267-5660

F/HC1 Ecosystem Assessment Division 301-713-0299

(CONTINUED)

General Administrative Information

UNITED STATES DEPARTMENT OF COMMERCE

Silver Spring, MD. 20910

<u>MAIL ROUTING CODE</u>		<u>TELEPHONE NUMBER</u>
F/HC2	Habitat Protection Division	301-713-4300
F/HC3	Habitat Restoration Division	301-713-0174
F/MB	Office of Management and Budget --	
	Gary Reisner	301-713-2259
F/MB 1	Budget Execution Division	301-713-2245
F/MB 2	Management and Administration Division	301-713-2259
F/MB 3	Program Planning and Evaluation Division	301-713-2370
F/MB 4	Budget Formulation and Appropriations Division	301-713-2325
F/PR	Office of Protected Resources --	
	Laurie Allen	301-713-2332
F/PR1	Permits, Conservation and Education Division	301-713-2289
F/PR2	Marine Mammal Conservation Division	301-713-2322
F/PR3	Endangered Species Division	301-713-2219
F/PR4	Planning and Program Coordination Division	301-713-1401
F/SF	Office of Sustainable Fisheries --	
	John H. Dunnigan	301-713-2334
F/SF1	Highly Migratory Species Division	301-713-2347
F/SF3	Domestic Fisheries Division	301-713-2341
F/SF4	International Fisheries Division	301-713-2276
F/SF5	Regulatory Services Division	301-713-2337
F/SF6	Seafood Inspection Laboratory	301-713-2334
F/SF8	State - Federal Fisheries Division	301-713-2334
F/ST	Office of Science and Technology --	
	Bonnie J. Ponwith, Ph.D. (Acting)	301-713-2367
F/ST1	Fisheries Statistics Division	301-713-2328
F/ST4	Assessment and Monitoring Division	301-713-2328
F/ST5	Economics and Social Analysis Division	301-713-2328
F/ST6	Science Information Division	301-713-2328
F/ST7	Marine Ecosystems Division	301-713-2363
LA11	Office of Congressional Affairs - Fisheries --	
	Stewart Harris	202-482-7940
PAF	Office of Public Affairs - Fisheries --	
	Connie Barclay (Acting)	301-713-2370
GCF	Office of General Counsel - Fisheries --	
	Samuel Rauch	301-713-2231

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE REGIONAL FACILITIES

<u>MAIL ROUTING CODE</u>	<u>OFFICE</u>	<u>TELEPHONE and FAX NUMBER</u>	<u>LOCATION</u>
F/NER	Northeast Region One Blackburn Drive Gloucester, MA 01930	978-281-9300 Fax-281-9371	Gloucester, MA
F/NEC3	Northeast Fisheries Science Center 166 Water St. - Rm. 312 Woods Hole, MA 02543	508-495-2233 Fax-548-2258	Woods Hole, MA
	Woods Hole Laboratory 166 Water St. Woods Hole, MA 02543	508-495-2000 Fax-495-2258	Woods Hole, MA
	Narragansett Laboratory 28 Tarzwell Drive Narragansett, RI 02882	401-782-3200 Fax-782-3201	Narragansett, RI
	Milford Laboratory 212 Riggers Ave. Milford, CT 06460	203-579-7000 FAX-579-7070	Milford, CT
	Sandy Hook Laboratory Building 74, McGruder Highlands, NJ 07732	732-872-3000 FAX-872-3088	Highlands, NJ
F/NEC3	Natl. Systematics Laboratory, MRC153 10th & Constitution Ave., NW Washington, DC 20560	202-357-2550 FAX-357-1896	Washington, DC
F/SER	Southeast Region 9721 Executive Center Drive, N. St. Petersburg, FL 33702	727-570-5301 FAX-570-5300	St. Petersburg, FL
F/SEC	Southeast Fisheries Science Center 75 Virginia Beach Dr. Miami, FL 33149	305-361-4284 FAX-361-4219	Miami, FL
F/SEC4	Miami Laboratory 75 Virginia Beach Dr. Miami, FL 33149	305-361-4225 FAX-361-4499	Miami, FL
F/SEC5	Mississippi Laboratory 3209 Frederick St., P.O. Drawer 1207 Pascagoula, MS 39567	228-762-4591 FAX-769-9200	Pascagoula, MS
F/SEC6	Panama City Laboratory 3500 Delwood Beach Rd. Panama City, FL 32408	850-234-6541 FAX-235-3559	Panama City, FL
F/SEC7	Galveston Laboratory 4700 Avenue U Galveston, TX 77551	409-766-3500 FAX-766-3508	Galveston, TX

(CONTINUED)

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE REGIONAL FACILITIES

<u>MAIL ROUTING CODE</u>	<u>OFFICE</u>	<u>TELEPHONE and FAX NUMBER</u>	<u>LOCATION</u>
F/SEC9	Beaufort Laboratory 101 Pivers Island Rd Beaufort, NC 28516	252-728-3595 FAX-728-8784	Beaufort, NC
F/NWR	Northwest Region 7600 Sand Point Way, N.E., Bldg. 1 Seattle, WA 98115	206-526-6150 FAX-526-6426	Seattle, WA
F/NWC	Northwest Fisheries Science Center West Bldg. - Rm. 363 2725 Montlake Boulevard, East Seattle, WA 98112	206-860-3200 FAX-860-3217	Seattle, WA
F/SW	Southwest Region 501 West Ocean Blvd., Suite 4200 Long Beach, CA 90802	562-980-4000 FAX-980-4018	Long Beach, CA
F/SWC	Southwest Fisheries Science Center 8604 La Jolla Shores Dr. P.O. Box 271 La Jolla, CA 92038	858-546-7000 FAX-546-5655	La Jolla, CA
F/SWC3	Santa Cruz / Tiburon Laboratory 110 Shaffer Rd. Santa Cruz, CA 95060	415-435-3149 FAX-435-3675	Santa Cruz, CA
F/SWC4	Pacific Fisheries Environmental Group 1352 Lighthouse Ave. Pacific Grove, CA 93950	408-648-8515 FAX-648-8440	Pacific Grove, CA
F/AKR	Alaska Region 709 West 9th Street, Room 453 P.O. Box 21668 Juneau, AK 99802	907-586-7221 FAX-586-7249	Juneau, AK
F/AKC	Alaska Fisheries Science Center, 7600 Sand Point Way, N.E. P.O. Box C15700 - Bldg. #4 - Rm. 2149 Seattle, WA 98115	206-526-4000 FAX-526-4004	Seattle, WA
	Kodiak Laboratory 301 Research Court Kodiak, AK 99615	907-481-1700 FAX-481-1701	Kodiak, AK
F/AKC4	Auke Bay Laboratory 11305 Glacier Highway Auke Bay, AK 99801	907-789-6000 FAX-789-6094	Auke Bay, AK
F/PIR	Pacific Islands Region 1601 Kapiolani Blvd., Rm. 1110 Honolulu, HI 96814	808-973-2937 FAX-973-2941	Honolulu, HI
F/PIC	Pacific Islands Fisheries Science Center 2570 Dole Street, Rm. 106 Honolulu, HI 96822	808-983-5300 FAX-983-2902	Honolulu, HI

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE NATIONAL FISHERY STATISTICS OFFICES

<u>CITY</u>	<u>TELEPHONE NUMBER</u>	<u>NAME AND ADDRESS</u>
<u>NEW ENGLAND:</u>		
(1) Portland	207-780-3322	Scott McNamara / Steve Link, Marine Trade Center,
	FAX:780-3340	Suite 212, Two Portland Fish Pier, Portland, ME 04101
Boston	617-223-8018	Jack French, Boston Market News, 408 Atlantic Ave., Rm. 141,
	FAX:223-8526	Boston, MA 02210
(1) Gloucester	978-281-9304	Gregory R. Power, Fishery Inf. Section, One Blackburn Dr.,
	FAX:281-9161	Blackburn Dr., Gloucester, MA 01930
Gloucester	978-281-9386 / 9263	Don Mason / William Heiskel, 11-15 Parker St., Fish Pier,
	FAX:281-9372	Gloucester, MA 01930
New Bedford	508-999-2452	Dennis E. Main / Steve Kelly, U.S. Custom House,
	FAX:990-2506	37 No. Second St., New Bedford, MA 02740
Chatham	508-945-5961	Lorraine Spenle, 29C Stage Harbor Road,
	FAX:945-3793	Chatham, MA 02633
Woods Hole	508-495-2309	John Mahoney, NMFS, Northeast Fisheries Science Center,
	FAX:495-2258	166 Water St., Woods Hole, MA 02543
Point Judith	401-783-7797	Walter Anoushian / Chris Zanni / Anthony Morales,
	FAX:782-2113	83 State St., 2nd Floor, P.O. Box 547, Narragansett, RI 02882
<u>MIDDLE ATLANTIC AND CHESAPEAKE:</u>		
New York	212-620-3405	Leo Gaudin / R. Santangelo, New York Market News, 201 Varick St.,
	FAX:620-3577	Rm. 701, New York, NY 10014
East Hampton	631-324-3569	Erik Braun, 62 Newtown Lane, Suite 203,
	FAX:324-3314	East Hampton, NY 11937
Patchogue	631-475-6988	David McKernan / Albert Leo, Social Security Bldg.,
	FAX:289-8361	50 Maple Ave, P.O. Box 606, Patchogue, L.I., NY 11772
Riverhead	631-727-7850	Tara Frolich / Greg Gorniok / Jackie Stent
	FAX:369-5944	39 Sound Ave, Riverhead, NY 11901
(1) Toms River	732-349-3533	Eugene Steady / Nicole Wesley/ Chris Petrucci,
	FAX:349-4319	26, Main St., P.O. Box 143, Toms River, NJ 08754
Cape May	609-884-2113	Walt Makowski / Ingo Fleming, 1382 Lafayette St., P.O. Box 624,
	FAX:884-4908	Cape May, NJ 08204
Hampton	757-723-3369	David Ulmer / Steve Ellis / George Mattingly, 1026 Settlers Landings Rd.,
	FAX:728-3947	Suite F, P.O. Box 436, Hampton, VA 23669
<u>SOUTH ATLANTIC AND GULF:</u>		
(1) Beaufort	252-728-8721	David Gloeckner, Beaufort Laboratory, 101 Pivers Island Rd.,
	FAX:728-8772	Beaufort, NC 28516
New Smyrna Beach	904-427-6562	Claudia Dennis / Garry Haddle, Coast Guard Station/Ponce,
	FAX: SAME	P.O. Box 2025, New Smyrna Beach, FL 32170
Tequesta	561-575-4461	H. Charles Schaefer / Michelle Gamby, 19100 S.E. Fedl. Highway,
	FAX:361-4565	P.O. Box 3478, Tequesta, FL 32170
(1) Miami	305-361-4468	Guy S. Davenport / Pam Brown-Eyo, 75 Virginia Beach Dr.,
	FAX:361-4460	Miami, FL 33149
Key West	305-294-1921	Edward J. Little, Jr., Federal Bldg. Rm. 208, 301 Simington St.
	FAX: SAME	Key West, FL 33040
Fort Myers	941-334-4364	Tom Herbert, 2000 Main St., Suite 409
	FAX: SAME	Fort Myers, FL 33901
St. Petersburg	727-570-5393	Renee Roman / Pam Machuga, 9721 Executive Center Dr.,
	FAX: 570-5300	St. Petersburg, FL 33702

(CONTINUED)

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE NATIONAL FISHERY STATISTICS OFFICES

<u>CITY</u>	<u>TELEPHONE NUMBER</u>	<u>NAME AND ADDRESS</u>
<u>SOUTH ATLANTIC AND GULF:</u>		
Panama City	850-234-6541 FAX: 235-3558	Deborah Fable / June Weeks, 3500 Delwood Beach Rd., Panama City, FL 32407
Mobile	251-441-6193 FAX: SAME	Ted Flowers, U.S.Coast Guard - ATC, P.O. Box 97, Mobile, AL 36608
Pascagoula	228-762-7402 FAX: 769-9200	Rene Labadens / Charles Armstrong, 3209 Frederic St., P.O. Box Drawer 1207, Pascagoula, MS 39567
Golden Meadow	985-632-4324 FAX: SAME	Gary J. Rousse, 115 Piciola Pkwy., (Galliano, LA), P.O.Box 623, Golden Meadow, LA 70357
Houma	985-872-3321 FAX: SAME	Kathleen Hebert, 425 Lafayette St., Rm. 128, Houma, LA 70360
Lafayette	337-291-2119 FAX: 291-2120 337-291-2117 FAX: 291-2118	Linda F. Guidry, NOAA Fisheries Lab., 646 Cajundome Blvd., Room 220 Lafayette, LA 70506 Beth Bourgeois, NOAA Fisheries Lab., 646 Cajundome Blvd., Room 218 Lafayette, LA 70506
New Orleans	504-365-0314 FAX: 363-0297 504-362-3089 504-362-8508	Debbie Batiste (Market News Office), Naval Support Activity, 2300 General Myers Ave., Bldg. H-100, Rm. 282, New Orleans, LA 70142 Maggie Williams, Address & Fax number same as above. Jay Boulet, Address and Fax number same as above.
Aransas Pass	361-758-0436 FAX: 758-1043	Roy Spears, 132 Cleveland Blvd., P.O. Box 1815, Aransas Pass, TX 78336
Brownsville/ Port Isabel	956-548-2516 FAX: SAME	Kit Doncaster / Edie Lopez, Shrimp Turning Basin, HC 70 Box 15, Brownsville, TX 78521
Freeport	979-233-4551 FAX: SAME	Michelle Padgett, Texas Gulf Bank, Suite 213, P.O.Box 2533, Freeport, TX 77542
Galveston	409-766-3515 FAX:766-3543	Keith Roberts, 4700 Avenue U, Bldg. 302 Galveston, TX 77551
Port Arthur	409-727-2271 FAX: SAME	Linda S. Trahan, Federal Bldg., Rm. 113, 2875 Jimmy Johnson Blvd., Port Arthur, TX 77640
<u>SOUTHWEST PACIFIC:</u>		
(1) Long Beach, CA	562-980-4033 FAX:980-4047	Patricia J. Donley, 501 West Ocean Boulevard, Rm. 4200, P.O. Box 32469, Long Beach, CA 90832
<u>NORTHWEST PACIFIC:</u>		
(1) Seattle	206-526-6119 FAX:526-4461	John K. Bishop, Bldg. 1, 7600 Sand Point Way, NE, Seattle, WA 98115
<u>ALASKA :</u>		
(1) Juneau	907-586-7010 FAX:586-7465	David Ackley, Federal Building, 4th Floor, 709 West 9th St., P.O. Box 21668, Juneau, AK 99802
<u>PACIFIC ISLANDS:</u>		
(1) Honolulu	808-983-5330 FAX:983-2902	David Hamm, 2570 Dole Street Honolulu, HI 96822-2396
(1) Regional or area headquarters for statistics offices.		

LIBRARY INFORMATION

The NOAA Library and Information Network Catalog (NOAALINC) represents the automated bibliographic holdings of the NOAA Central Library in Silver Spring, Maryland and 27 other NOAA libraries located around the U.S. Currently, the NOAALINC contains records for more than 250,000 items with 5,000-10,000 added each year.

NOAALINC provides several search methods to locate records of items. Users can search for keywords in titles, subject headings, authors, or series. Users can browse indexes of titles, subject headings, authors, series, or call number. Each bibliographic record shows a brief description of the item with a list of which libraries hold the item. The list of libraries will show the call number, the item's specific information, and whether the item is available for circulation.

NOAALINC is available to anyone, without restriction, 24 hours a day, every day of the year. Visitors to the NOAA Central Library can access the catalog through workstations located throughout the Library. Remote users can access the catalog through a link from the NOAA Central Library's homepage at <http://www.lib.noaa.gov/>.

NOAA personnel may contact their nearest NOAA Library or the NOAA Central Library and arrange to borrow materials. Members of the general public should contact their local library to arrange for an interlibrary loan. Restrictions apply on circulation of certain materials.

For further information contact the NOAA Central Library, 1315 East-West Highway, 2nd Floor, Silver Spring, MD 20910-3282. Telephone: 301-713-2600 (Ext. 124) or E-mail: Library.Reference@noaa.gov.

PUBLICATIONS AVAILABLE FROM U.S. GOVERNMENT PRINTING OFFICE

STATISTICAL REPORTS

003-020-00000-0 Fisheries of the United States, 2003...NA

003-020-00178-5 Fisheries of the United States, 2002...\$20.00

003-020-00177-7 Fisheries of the United States, 2001...\$21.00

003-020-00174-2 Fisheries of the United States, 2000...\$19.00

003-020-00169-6 Fisheries of the United States, 1997...\$20.00

MISCELLANEOUS REPORTS

003-020-00171-8 Our Living Oceans, Report on the Status of U.S. Living Marine Resources, 1999...\$43.00

003-009-00650-3 U.S. Global Outlook (Name change) 1995: Business Forecasts for 350 Industries ...\$25.00

703-023-00000-2 Fishery Bulletin (Quarterly) Publishes Original Research (FB) 2D Papers, etc...\$48.00 a year

*For information or to purchase publications listed above
(Advance Payment Required), call or write:*

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20202
PHONE: 202-512-1800
FAX: 202-512-2250

Internet Orders: <http://bookstore.gpo.gov/>

Publications

PUBLICATIONS AVAILABLE FROM NATIONAL MARINE FISHERIES SERVICE AND NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)

SCIENTIFIC PUBLICATIONS:

Information on formal scientific publications by NMFS (such as NMFS journals and technical publications) may be obtained from the Scientific Publications Office (F/ST1), 7600 Sand Point Way, N.E., BIN C 15700, Seattle, WA 98115.

Telephone: 206-526-6107 - <http://spo.nwr.noaa.gov/>

CURRENT FISHERY STATISTICS (CFS) SERIES:

The reports listed below are in the Current Fisheries Statistics (CFS) series. They are statistical bulletins on marine recreational fishing, commercial fishing, and on the manufacture and commerce of fishery products. For further information or to obtain a subscription to these publications, contact the office shown below:

NOAA, National Marine Fisheries Service
Fisheries Statistics Division (F/ST1)
1315 East-West Highway - Station 12340
Silver Spring, MD 20910
Telephone: 301-713-2328

Homepage: <http://www.st.nmfs.gov/st1/>

The bulletins shown below cover freezings and holdings prior to 1997 and holdings only for 1997, and the U.S. foreign trade in fishery products. This information may be obtained through our homepage listing under Fishery Market News (the address is listed above).

- () FF - Frozen Fishery Products (Annuals 1990-2002)
- () FT - Imports and Exports of Fishery Products (Annuals 1996 - 2003)

Foreign Trade Information from 1989 through the current month is available through our homepage.

OTHER PUBLICATIONS:

All publications listed below may be obtained from NTIS (address and phone number listed on page 113), the originating office (code follows in parentheses) or the appropriate homepage. Copies are available only as long as supply lasts.

() A Review of National and International Literature on the Effects of Fishing on Benthic Habitats. (F/HC)

() Wetlands and Fish: Catch the Link (F/HC)

() Counting on Anglers, a Video Tape Overview of the NMFS Marine Recreational Fisheries Statistics Survey. (F/ST1)

() Wetlands Restoration, creation, and Enhancement (F/HC)

() Protecting and Restoring Essential Fish Habitat (F/HC)

() Wetlands and Fish of the Caribbean (F/HC)

() Report on Apportionments of Membership on the Regional Fishery Management Council (RFMCs) in 2003 (F/SF).

() The Saltonstall-Kennedy Grant Program: Fisheries Development and Utilization Research and Development Report to Congress on Status of Fisheries of the United States. National Marine Fisheries Service. August 2003. (CF homepage) Grants - Annotated Bibliography (F/CS).

() USDC Approved List of Fish Establishments and Products — Semi-Annual Report. (Documentation Approval and Supply Service, Pascagoula, MS., Phone: 228-762-1892).

Atlantic Striped Bass Studies: 2003 Biennial Report to Congress. National Marine Fisheries Service and U.S. Fish and Wildlife Service, 2003. Silver Spring, MD. 33 p. (F/FS).

Marine Mammal Protection Act Annual Report to Congress. National Marine Fisheries Service. 1998-2000. Silver Spring, MD. (F/PR)

Marine Mammal Protection Act Bulletin. National Marine Fisheries Service. Newsletter. Silver Spring, MD (F/PR)

Toward Rebuilding America's Marine Fisheries. Annual Report to Congress on Status of United States Fisheries - 2002. National Marine Fisheries Service. May, 2003 (SFA homepage)

Viewing Marine Mammals in the Wild- Responsible Guidelines and Regulations for Minimizing Disturbance. National Marine Fisheries Service. 2001. Silver Spring, MD. (F/PR)

COMMERCIAL FISHERIES:

Fisheries of the United States is a preliminary report with historical comparisons on the Nation's fishing, fish processing, and foreign trade in fishery products. The following reports are available through NTIS.

Year	Accession No.
1966	COM-75-10662
1967	COM-75-10663
1968	COM-75-10664
1969	COM-75-10665
1970	COM-71-50081
1971	COM-75-10666
1972	COM-73-50644
1973	COM-74-50546
1974	COM-75-10862
1975	PB-253966
1976	PB-268662
1977	PB-282741
Year	Accession No.
1978	PB-297083
1979	PB-80-201593
1980	PB-81-241648
1981	PB-82-215542
1982	PB-83-216473
1983	PB-84-195148
1984	PB-86-144953
1985	PB-87-143145
1986	PB-88-164132
1987	PB-88-215173
1988	PB-89-216485
1989	PB-91-129-320
1990	PB-92-174523/AS
1991	PB-93-204536/AS
1992	PB-94-156387
1993	PB-95-219192

Fisheries Statistics of the United States (Statistical Digest) is a final report on the Nation's commercial fisheries showing more detail than Fisheries of the United States.

Year	Accession No.
1939	COM-75-11265
1940	COM-75-11266
1941	COM-75-11267
1942	COM-75-11268
1943	COM-75-11269
1944	COM-75-11270
1945	COM-75-11271
1946	COM-75-11272
1947	COM-75-11273
1948	COM-75-11274
1949	COM-75-11275
1950	COM-75-11056
1951	COM-75-11053
1952	COM-75-11054
1953	COM-75-11055
1954	COM-75-11057
1955	COM-75-11058
1956	COM-75-11059
1957	COM-75-11060
1958	COM-75-11061
1959	COM-75-11062
1960	COM-75-11063

Fisheries Statistics of the United States *(continued)*

Year	Accession No.
1961	COM-75-11064
1962	COM-75-11065
1963	COM-75-11066
1964	COM-75-11067
1965	COM-75-11068
1966	PB-246429
1967	PB-246430
1968	COM-72-50249
1969	COM-75-10887
1970	COM-75-10643
1971	COM-74-51227
1972	COM-75-11430
1973	PB-262058
1974	PB-277796
1975	PB-300625
1976	PB-81-163438
1977	PB-84-192038

Publications

HISTORICAL REPORTS:

Historical Catch Statistics is a series of publications reporting catch of certain species in the United States for historical purposes. The following reports are available through NTIS:

Atlantic and Gulf Coast States, 1879 - 1989. Current Fisheries Statistics No. 9010 - Historical Series Nos. 5-9 Revised. Report covers total landings for major species, by state and by region. (NTIS No. PB-93-174266).

Atlantic and Gulf Coast States, 1950 - 1991. Current Fisheries Statistics No. 9210 - Historical Series No. 10-Revised. Report covers landings and value of major species, by Region. (NTIS No. PB-93-174274).

IMPORTS AND EXPORTS OF FISHERY PRODUCTS

Annual Summary:

Year	Accession No.
1982	PB-92-218635
1983	PB-92-218643
1984	PB-92-214972
1985	PB-92-222280
1986	PB-92-228196
1987	PB-92-228055
1988	PB-92-222272
Year	Accession No.
1989	PB-92-222264
1990	PB-92-222256
1991	PB-92-221803
1992	PB-95-219499
1993	PB-95-219481
1994	PB-95-219507

STATISTICS SURVEY:

Atlantic and Gulf Coasts:

Year	Accession No.
1979-80	PB-84-199652
1979 (Revised)-1980	PB-89-102552
1981-1982	PB-89-102560
1983-1984	PB-89-102628
1985	PB-89-102669
1986	PB-89-102701
1987-1989	PB-92-174820
1990-1991	(F/ST1)

Pacific Coast:

Year	Accession No.
1981-1982	PB-89-102925/AS
1983-1984	PB-89-102933/AS
1985	PB-89-102941/AS
1986	PB-89-102958/AS
1987-1989	(F/ST1)

PROCESSED FISHERY PRODUCTS:

Annual Summary:

Year	Accession No.
1979	PB-89-215248/AS
1980	PB-89-215255/AS
1981	PB-89-215263/AS
1982	PB-89-215289/AS
1883	PB-89-215271/AS
1984	PB-89-215297/AS
1985	PB-89-215305/AS
1986	PB-89-215313/AS
1987	PB-92-172956
1988	PB-92-204528/AS

STATE LANDINGS:

Maine: 1946-76, PB-271-296; 1977-79, PB-128258.
Massachusetts: 1943-76, PB-275866; 1977-79, PB-81-143182.
Rhode Island: 1954-77; PB-287627; 1978-79, PB-81-157158.
New York: 1954-76, PB-275449; 1977-79, PB-81-134546.
New Jersey: 1952-76, PB-275696; 1977-79, PB-81-159048
Maryland: 1960-76, PB-300636; 1977-79, PB-81-159003.
Virginia: 1960-76, PB-300637; 1977-79, PB-82-151960.
North Carolina: 1955-76, PB-288928; 1977-79, PB-82-151978.
South Carolina: 1957-76, PB-289405; 1977-79, PB-81-163198.
Georgia: 1956-76, PB-289814; 1977-79, PB-81- 157166.
Florida: 1950-76, PB-292068.

Publications

Alabama: 1950-77, PB-80-121262;
1978, PB-82-168071.

Mississippi: 1951-77, PB-80-121270;
1978, PB-82-169079.

Louisiana: 1957-77, PB-300583;
1978, PB82-168063.

Texas: 1949-77, PB-300603;
1978-79, PB-82-169004.

Shrimp Landings: 1956-76, PB-80-124696;
1978-79, PB-82-156183.

Gulf Coast Shrimp Data: 1958-76, PB-80-126899;
1978-79, PB-82-170390.

INTERNATIONAL REPORTS:

The Division of International Science and Technology, NMFS, prepares assessments of major fisheries to support priority NMFS programs. These reports may be of interest to the wider fishery community as they include biological, commercial, and technical information of potential use to academicians, industry, and environmentalists.

Swordfish:

In 1997 work was completed on a six-volume study, culminating a five-year research project to compile and analyze information on every key swordfish catching nation in the world. World Swordfish Fisheries is the most comprehensive documentation of this fishery ever produced. Each volume of the study contains information on catch, fishing grounds, fishing fleets, gear and methods, markets, trade, bycatch, research, international relations, and other facets of the fishery. The books are carefully documented and have extensive statistical appendices, graphics, and photographic images to help explain the fishery and illustrate key trends. Reports on the swordfish fisheries of the Atlantic-coast countries of Latin America was published in 1999 and reports on the Caribbean islands in 2001. The reports were published as NOAA Fisheries Technical Memoranda. These books are available from the NOAA Library: Steve Quillen, NOAA Library, 1315 East-West Highway, Silver Spring, MD 20910 (Steve.Quillen@noaa.gov)

If NOAA Library supplies are exhausted, xerox copies of these reports can be purchased from the National Technical Information Service (NTIS). NTIS order numbers are available from: Jacki Strader, NMFS Scientific Publications, Northwest Regional Office, 7600

Sandpoint Way NE, Bldg 1, Seattle, WA 98115
(Steve.Quillen@noaa.gov)

Volume I: Executive Overview. Summary of World Fisheries for Swordfish and Overview of Global and Regional Trends. (NMFS-F/SPO23, 1997), 53 p.

Volume II: Africa and the Middle East. Examination of Fisheries and Overview of Regional Trends in Africa and in Select Middle Eastern countries. (NMFS-F/SPO24, 1997), 235 p.

Volume III: Asia. Summary of Asian Fisheries and Overview of Regional Trends. Special Coverage of Japan, Korea, and Taiwan. (NMFS-F/SPO25, 1997), 44 p.

Volume IV: Latin America.

Part A1: Summary of Swordfish Fisheries, along the Pacific coast of South America. Detailed coverage of Chile. (NMFS-F/SPO26-27, 1997), two books, 843 p.

Part A2: Summary of Swordfish Fisheries, along the Atlantic coast of South America. Detailed coverage of Brazil. (NMFS-F/SPO34-36, 1999), three books, 916 p.

Part B: Summary of Swordfish Fisheries of the Caribbean islands. Detailed coverage of Cuba. (NMFS-F/SPO50-53, 2001), four books, 1,316 p.

Volume V: North America. Overview of Canadian and U.S. Fisheries for Swordfish. (NMFS-F/SPO28, 1997), 136 p.

Volume VI: Western Europe. Examination of European fisheries with special emphasis on the European Union member states (especially Spain, Italy, Greece and France). Non-EU countries are also considered. (NMFS-F/SPO29, 1997), 324p.

NORTHEAST REGION:

<http://www.nefsc.nmfs.gov/nefsc/publications/>

Status of Fishery Resources off the Northeastern United States. Various authors for various sections of the document. Continuously updated Web-only document. (<http://www.nefsc.nmfs.gov/sos/>). (F/NEC).

U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments — 2002. Waring, G.T., J.M. Quintal, and C.P. Fairfield, eds., and P.J. Clapham,

T.V.N. Cole, L.P. Garrison, Georgia Department of Natural Resources, A. Hohn, B.G. Maise, W.E. McFee, D.L. Palka, P.E. Rosel, M.C. Rossman, U.S. Fish and Wildlife Service, and C. Yeung, contribs. (listed alphabetically). 2002. (NOAA-TM-NMFS-NE-169; <http://nefsc.noaa.gov/nefsc/publications/tm/tm169>). 318 p. (F/NEC).

Status of the Northeast U.S. Continental Shelf Ecosystem: A Report of the Northeast Fisheries Science Center's Ecosystem Status Working Group. Link, J.S., and J.K.T. Brodziak, eds., and D.D. Dow, S.F. Edwards, M.C. Fabrizio, M.J. Fogarty, D. Hart, J.W. Jossi, J. Kane, K.L. Lang, C.M. Legault, S.A. MacLean, D.G. Mountain, J. Olson, W.J. Overholtz, D.L. Palka, and T.D. Smith, contribs. (listed alphabetically). 2002. (NEFSC-CRD-02-11; <http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0211>). 245 p. (F/NEC).

Essential Fish Habitat Source Document[s]: Life History and Habitat Characteristics [for 37 species managed under fishery management plans by the New England and Mid-Atlantic Fishery Management Councils]. Various authors for various species. September 1999 for 29 species; January 2001 for one species; March 2003 for 7 species. (NOAA-TM-NMFS-NE-122-152, 163 & 173-179; <http://nefsc.noaa.gov/nefsc/publications/tm/tm1list.htm>). Various pages for various species. (F/NEC).

SOUTHEAST REGION:

<http://caldera.sero.nmfs.gov/>

A Review of the Fishing Gear Utilized within the Southeast Region and their Potential Impacts on Essential Fish Habitat. Barnette, M.C. 2001 (NOAA-TM-NMFS-SEFSC-449). 62 p. (F/SER).

SOUTHWEST REGION:

<http://swfsc.nmfs.noaa.gov/publications/publicat.htm>

Antarctic Living Marine Resources 2002/2003 Field Season Report. Lipsky, J.D. (editor). 2003. (NOAA-TM-NMFS-SWFSC-355).

Ichthyoplankton and Station Data for Surface (Manta) and Oblique (Bongo) Plankton Tows for California Cooperative Oceanic Fisheries Investigation Survey Cruises in 2002. Charter, S.L., R.L.

Charter, and H.G. Moser. 2003. (NOAA-TM-NMFS-SWFSC-352). 97 p. (NTIS No. PB2004-100049).

Marine Reserves to Supplement Management of West Coast Groundfish Resources: Phase 2 - Draft Concepts for California Waters. Parrish, R.H.. 2003. Pacific Fishery Management Council Report. 16 p.

Pacific Harbor Seal, *Phoca vitulina richardii*, Census in California During May-July 2002. Lowry, M.S., and J.V. Carretta. 2003. (NOAA-TM-NMFS-SWFSC-353). 50 p.

Status Review for North American Green Sturgeon. Adams, P.B., C.B. Grimes, S.T. Lindley, and M.L. Moser. 2002. (http://www.pfeg.noaa.gov/tib/files/docs/greensturg_esa/greenstatus.pdf). 58 p.

Status Review Update for Coho Salmon (*Oncorhynchus kisutch*) from the Central California Coast and the California Portion of the Southern Oregon/Northern California Coasts Evolutionarily Significant Units. Southwest Fisheries Science Center Santa Cruz Laboratory. 2001. (http://www.pfeg.noaa.gov/tib/files/pubs/Coho_status_2001.pdf). 40 p.

Stock Assessment of Pacific Sardine with Management Recommendations for 2003. Conser, R.J., K.T. Hill, P.R. Crone, N.C.H. Lo, and D. Bergen. 2002. (http://swfsc.nmfs.noaa.gov/frd/Coastal%20Pelagics/Sardine/sardine_2002_revised.pdf). 12 p.

Suggested Guidelines for Recovery Factors for Endangered Marine Mammals. Taylor, B.L., M. Scott, J. Heyning, and J. Barlow. 2003. (NOAA-TM-NMFS-SWFSC-354). 5 p.

U.S. Pacific Marine Mammal Stock Assessments: 2002. Carretta, J.V., M.M. Muto J. Barlow, J. Baker, K.A. Forney, and M.Lowry.2002. (NOAA-TM-NMFS-SWFSC-346). 290 p. (<http://swfsc.nmfs.noaa.gov/PRD/PROGRAMS/CMMP/default..htm>)

NORTHWEST REGION:

<http://www.nwfsc.noaa.gov/pubs/nwfscpubs.html>

Assessing Extinction Risk for West Coast Salmon. 2003. MacCall, A.D. and T.C. Wainwright (editors). (NOAA-TM-NMFS-NWFSC-56) 198p.

The net-pen salmon farming industry in the Pacific Northwest. Nash, C.E. (editor). 2001. (NOAA -TM-NMFS-NWFSC-49) 125 p. (NTIS PB2002-100948).

Status review of Copper Rockfish, Quillback Rockfish, and Brown Rockfish in Puget Sound, Washington. Stout, H.A., B.B. McCain, R.D. Vetter, T.L. Builder, W.H. Lenarz, L.L. Johnson, and R.D. Methot. 2001. (NOAA-TM-NMFS-NWFSC-46) 158 p. (NTIS PB2001-105559).

Status review of Pacific herring in Puget Sound, Washington. Stout, H.A., R.G. Gustafson, W.H. Lenarz, B.B. McCain, D.M. VanDoornik, T.L. Builder, and R.D. Methot. 2001. (NOAA-TM-NMFS-NWFSC-45)175 p. (NTIS PB2001-105561).

Upper Columbia River Steelhead and Spring Chinook Salmon Population Structure and Biological Requirements. Ford, M., P. Budy, C. Busack, D. Chapman, T. Cooney, T. Fisher, J. Geiselman, T. Hillman, J. Lukas, C. Peven, C. Toole, E. Weber, and P. Wilson 2001. (Final Report) 64

Review of potential impacts of Atlantic salmon culture on Puget Sound chinook salmon and Hood Canal summer-run chum salmon evolutionarily significant units. Waknitz, F.W., T.J. Tynan, C.E. Nash, R.N. Iwamoto, and L.G. Rutter. 2002. (NOAA-TM-NMFS-NWFSC-53) 83 p. (NTIS number pending).

Status review of southern resident killer whales (*Orcinus orca*) under the Endangered Species Act. Krahn, M.M., et al. 2002. (NOAA-TM-NMFS-NWFSC-54) 133 p. (NTIS number pending).

The 1999 Northwest Fisheries Science Center Pacific West Coast Upper Continental Slope Trawl Survey of Groundfish Resources off Washington, Oregon, and California: Estimates of Distribution, Abundance, and Length Composition. Builder Ramsey, T., T.A. Turk, E.L. Fruh, J.R. Wallace, B.H. Horness, A.J. Cook, K.L. Bosley, D.J. Kamikawa, L.C. Hufnagle, and K. Piner. 2002. (NOAA-TM-NMFS-NWFSC-55) 143 p. (NTIS number pending).

ALASKA REGION:

<http://www.afsc.noaa.gov/Publications/publications.htm>

A comparison of the eastern and western Bering Sea shelf and slope ecosystems through the use of mass-balance food web models. Aydin, K. Y., V. V.

Lapko, V. I. Radchenko, and P. A. Livingston. 2002. (NOAA-TM-AFSC-130). 78 p. (NTIS No. PB2003-100518).

A survey of fish assemblages in eelgrass and kelp habitats of southeastern Alaska. Johnson, S. W. , M. L. Murphy, D.J. Csepp, P. M. Harris, and J. D. Thedinga. 2003. (NOAA-TM-AFSC-139). 39 p. (NTIS No. PB2004-100139).

Aerial and land-based surveys of Steller sea lions (*Eumetopias jubatus*) from the western stock in Alaska, June and July 2001 and 2002. Sease, J. L., and C. J. Gudmundson. 2002. (NOAA-TM-AFSC-131). 45 p. (NTIS No. PB2003-102164).

Annotated bibliography of the bowhead whale, *Balaena mysticetus*, 1767-1983. Marquette, W. M. 2002. (NOAA-TM-AFSC-127). 325 p. (NTIS No. PB2002-108033).

Aspects of the early life history of capelin (*Mallotus villosus*) in the northwestern Gulf of Alaska: A historical perspective based on larval collections October 1977- March 1979. Doyle, M. J., M. S. Busby, J. T. Duffy-Anderson, S. J. Picquelle, and A. C. Matarese. 2002. (NOAA-TM-AFSC-132). 32 p. (NTIS No. PB2002-102535).

Characteristics of benthic sediments from areas open and closed to bottom trawling in the Gulf of Alaska. Stone, R. P., and M. M. Masuda. 2003. (NOAA-TM-AFSC-140). 40 p. + Appendices (111 p.). (NTIS No. PB2004-100650).

Compilation of marine mammal incidental take data from the domestic and joint venture groundfish fisheries in the U.S. EEZ of the North Pacific, 1989-2001. Perez, M. A. 2003. (NOAA-TM-AFSC-138). 145 p. (NTIS No. PB2004-100649).

Echo integration-trawl survey results for walleye pollock (*Theragra chalcogramma*) on the Bering Sea shelf and slope during summer 2000. Honkalehto, T., W. Patton, S. De Blois, and N. Williamson. 2002. (NOAA-TM-AFSC-126). 66 p. (NTIS No. PB2002-104686).

Echo integration-trawl survey results for walleye pollock (*Theragra chalcogramma*) on the Bering Sea shelf and slope during summer 1999. Honkalehto, T., N. Williamson, and S. De Blois. 2002. (NOAA-TM-AFSC-125). 77 p. (NTIS No. PB2002-104686).

Guide to rockfishes (Scorpaenidae) of the genera *Sebastes*, *Sebastolobus*, and *Adelosebastes* of the northeast Pacific Ocean, second edition. Orr, J. W., M. A. Brown, and D. C. Baker. 2002. (NOAA-TM-AFSC-117). 47 p. (NTIS No. PB2001-100757).

Mobile fishing gear effects on benthic habitats: a bibliography (second edition). Dieter, B. E., D. A. Wion, and R. A. McConnaughey (editors). 2003. (NOAA-TM-AFSC-135). 206 p. (NTIS No. PB2003-105080).

Spatial and temporal analysis of eastern Bering Sea echo integration-trawl survey and catch data of walleye pollock, *Theragra chalcogramma*, for 2001 and 2002. Barbeaux, S. J., and M. W. Dorn. 2003. (NOAA-TM-AFSC-136). 34 p. (NTIS No. PB2003-106479).

Steller sea lion research coordination: a brief history and summary of recent progress. Ferrero, R. C., and L. W. Fritz. 2002. (NOAA-TM-AFSC-129). 34 p. (NTIS No. PB2002-107912).

Selection and application of a mark-and-recapture technique for estimating pink salmon escapements. Maselko, J. M., A. C. Wertheimer, and J. F. Thedinga. 2003. (NOAA-TM-AFSC-137). 44 p. (NTIS No. PB2003-107101).

The 2002 eastern Bering Sea upper continental slope survey of groundfish and invertebrate resources. Hoff, G. R., and L. L. Britt. 2003. (NOAA-TM-AFSC-141). 261 p. (NTIS No. PB2004-101668).

The 2001 Pacific west coast bottom trawl survey of groundfish resources: Estimates of distribution, abundance, and length and age composition. Weinberg, K. L., M. E. Wilkins, F. R. Shaw, and M. Zimmermann. 2002. (NOAA-TM-AFSC-128). 140 p. + Appendices. (NTIS No. PB2002-108221).

PACIFIC ISLAND REGION:

Bottom Longline Fishing for Sharks in the Northwestern Hawaiian Islands. Vatter, A., 2003 (AR-PIR-03-01) 19 p

Annual Report on Seabird Interactions and Mitigation Efforts in the Hawaii-based Longline Fishery for Calendar Years 2000 and 2001. 2003. (AR-PIR-03-02) 43p

Annual Report on Seabird Interactions and Mitigation Efforts in the Hawaii-based Longline Fishery for Calendar Year 2002, 2003. (AR-PIR-03-03) 24p

A Survey of Purse Seine Fishing Capacity in the Western and Central Pacific Ocean, 1988 to 2003. Gillett, R and Lewis, A., 2003 (AR-PIR-03-04) 58p

To purchase the preceding reports listed with NTIS, call or write:

NTIS -- ATTN: Order Desk
5285 Port Royal Road
Springfield, VA 22161

PHONE: 703-605-6000 (1-800-553-6847)
FAX: 703-605-6900

Internet Orders: <http://www.ntis.gov>

NATIONAL MARINE FISHERIES SERVICE HOME PAGES

The National Marine Fisheries Service provides information on programs and data available to the public and fishing industry via home page. Please use the following address for NMFS' home page - <http://www.nmfs.noaa.gov> through a personal computer. If you wish to access individual office home pages, the addresses and a brief description follow:

Fisheries Statistics - <http://www.st.nmfs.gov/st1/> — Descriptions of commercial and recreational fisheries statistics data collection and economic programs. Access to commercial monthly landings data bases, Marine Recreational Fisheries Statistics Survey (MRFSS) data, cold storage, Market News Reports, processed products data, trade data base, vessel documentation data, and electronic copies of "Fisheries of the United States."

Atlantic Highly Migratory Species (HMS) - <http://www.nmfs.noaa.gov/sfa/hmspg.html> — HMS and Billfish Fishery Management Plans, implementing regulations and related documents. The Stock Assessment and Fishery Evaluation Report for HMS: SAFE2000. Information on Atlantic tunas permits and link to online permit shop. Lists of members of the Advisory Panels, upcoming meetings and other HMS news

Habitat Conservation - <http://www.nmfs.noaa.gov/habitat/> — Describes NOAA programs to conserve, protect, and restore habitats for living marine resources. Information on essential fish habitat, the NOAA Restoration Center and its Community-based Restoration Program, Damage Assessment and Restoration Program (DARP), and Coastal Wetlands Planning, Protection, and Restoration Act program (CWPPRA), and the NOAA Chesapeake Bay Office.

Inspection Program - <http://seafood.nmfs.noaa.gov> — Provides information on the voluntary National Seafood Inspection Program, including the services offered in the US and foreign countries to harvesters, processors, distributors, importers/exporters, buyers, and retailers; list of approved fish establishments and products; fees and charges; policies for advertising services; and official inspection marks and certificates.

Protected Resources - http://www.nmfs.noaa.gov/prot_res/prot_res.html — Contains recovery efforts for species considered endangered or threatened; depleted species of marine mammals; and a comprehensive list of other Internet resources pertaining to protection programs and other issues. Information on Endangered Species Act and Marine Mammal Protection Act.

Office of Constituent Services - <http://www.nmfs.noaa.gov/ocs> — Provides constituents and the general public access to NOAA Fisheries. OCS includes: Public Outreach/Education, Recreational Fisheries, Trade, Commercial, and Financial Services, as well as the S-K Grant Program. <http://www.nmfs.noaa.gov/ocs/skhome.html>

Northeast Region - <http://www.nero.nmfs.gov/doc/nero.html> — Describes the mission and responsibilities of the Regional Office Staffs and Divisions. Provides information on northeast fisheries regulations, quota reports for specific species, multi-species preliminary statistics reports; scallop and multi-species days-at-sea activity reports; federal aid for MARFIN and SK grant programs; vessel permit system data; and links to other NOAA sites.

Northeast Fisheries Science Center - <http://www.nefsc.nmfs.gov> — Provides current and historical northeast fisheries information and data about research facilities, vessels, programs, publications, management, laws and regulations, and answers to frequently asked questions on fish and fisheries research. Features in-depth information on northeast stock status and realtime, at-sea, display of research vessel activities, measurements, and observations.

NATIONAL MARINE FISHERIES SERVICE HOME PAGES

Southeast Region - <http://caldera.sero.nmfs.gov/> — Provides information on regional Federal activities including: fisheries regulations, news releases and fisheries bulletins, fisheries regulations, vessel and dealer permits, fishery management plan implementation/quotas, marine mammals and endangered species management and protection, habitat protection and restoration activities, and federal aid programs for grants and cooperative agreements.

Southeast Fisheries Science Center - <http://www.sefsc.noaa.gov/> — Describes the Center's programs, mission, laboratories, geographic scope, organization, research vessels, and upper-level scientific and management staff. Includes publications, news releases, newsletters (tuna and billfish), and information on the types of research being conducted on Pacific and Antarctic fishes, marine mammals, sea turtles, habitats, and marine ecosystems.

Alaska Region - <http://www.fakr.noaa.gov> — Provides information on in-season state of groundfish catch, current news releases and information bulletins, and current fisheries outlook and effort reports. Information on the Community Development Quota (CDQ) Program, At-Sea Scales Program, fisheries regulations and the manual for Groundfish Recordkeeping and Reporting. Information on the Individual Fishing Quota (IFQ) Program, marine mammals, habitat conservation, and links to other fisheries web sites.

Alaska Fisheries Science Center - <http://www.afsc.noaa.gov/> — Describes the mission of the Center and the organization and purpose of its laboratories, divisions, and programs dedicated to Federal fisheries and marine mammal research in the coastal oceans off Alaska and the West Coast of the United States. Provides stock assessments, databases, AFSC Quarterly Report, cruise reports and schedules, other online documents, publication lists, image gallery of marine mammals, fishes, and crabs, and educational materials.

Northwest Region - <http://www.nwr.noaa.gov> — Provides information on the region's activities, mission and responsibilities. It includes news releases, announcements, documents and Federal Register notices about fisheries management plans, public hearings, programs, regulations, Endangered Species Act listings and proposals, habitat conservation, and regional hydro power activities.

Northwest Fisheries Science Center - <http://nwfsc.nmfs.noaa.gov> — Describes Center research, including status and recovery of endangered salmon and new hatchery-rearing techniques; rapid-response analyzes of chemical pollution and harmful algae blooms in fishery grounds nationwide; assessing the west coast groundfish fishery; and developing new bycatch utilization technologies. News topics, current publications, library resources, and the Center's state-of-the-art water-recycling fish culture facility are also featured.

Southwest Region - <http://swr.nmfs.noaa.gov> — Describes the mission and responsibilities of the regional office. Announcements of Federal Register notices on seasons, trip limits, and quotas. Provides information on fisheries statistics, trade data, canned tuna updates and status of tuna import quotas, and catch reports for various California fisheries. Japanese market reports are available on sablefish, shrimp, landings and wholesale prices, etc., and links to other pertinent sites of interest to fishery and seafood industries.

Southwest Fisheries Science Center - <http://swfsc.nmfs.noaa.gov> — Describes the Center's programs, mission, laboratories, geographic scope, organization, research vessels, and upper-level scientific and management staff. Includes publications, news releases, billfish newsletter, and information on the types of research being conducted on Pacific and Antarctic fishes, marine mammals, sea turtles, habitats, and marine ecosystems.

NOAA Public Affairs - <http://www.noaaneews.noaa.gov> — All NOAA and NMFS related Press Releases and links to other NOAA material available to the public. If you would like these releases through electronic mail rather than FAX, send e-mail to jslaff@hq.noaa.gov.

SEA GRANT EXTENSION PROGRAM

The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Extension Program offers a broad range of information concerning the Nation's fisheries to recreational and commercial fishermen, fish processors, and others. The following program leaders, listed alphabetically by State, can provide information on Sea Grant activities:

James D. Murray
National Sea Grant Extension Leader
National Sea Grant Office/NOAA
1315 East-West Highway, Room 11752
Silver Spring, MD 20910
(301) 713-2431 x152 FAX: 713-0799
jim.d.murray@noaa.gov

Rick Wallace, Extension Leader
Alabama Sea Grant - Auburn Univ.
Mississippi-Alabama Sea Grant
4170 Commander's Drive
Mobile, AL 36615
(334) 438-5690 FAX: 438-5670
rwallace@acesag.auburn.edu

Paula Cullenberg, MAP Leader
Alaska Sea Grant - Univ. of AK
2221 E. Northern Lights., #110
Anchorage, AK 99508-4140
(907) 274-9691 x112 FAX: 277-5242
anpjc@uaa.alaska.edu

Paul Olin, Interim Extension Leader
California Sea Grant College Program
University of California
2604 Ventura Avenue, Room 100
Santa Rosa, CA 95403
(707) 565-2621 FAX: 565-2623
pgolin@ucdavis.edu

Judith D. Lemus, Extension Leader
Southern California Sea Grant
Univ. of Southern CA - Univ. Park
Los Angeles, CA 90089-0373
(213) 740-1965 FAX: 740-5936
jldlemus@usc.edu

Nancy C. Balcom, Extension Leader
Connecticut Sea Grant - Univ. of CN
1084 Shennecossett Road
Groton, CT 06340-6097
(860) 405-9107 FAX: 405-9109
balcom@uconnvm.uconn.edu

James M. Falk, Extension Leader
Delaware Sea Grant - Univ. of DE
700 Pilottown Road
Lewes, DE 19958-1298
(302) 645-4235 FAX: 645-4007
jfalk@udel.edu

Michael Spranger, Extension Leader
Florida Sea Grant - Univ. of FL
PO Box 110405
Gainesville, FL 32611-0405
(352) 392-1837 x226 FAX: 392-5113
msspranger@mail.ifas.ufl.edu

Keith W. Gates, Extension Leader
Georgia Sea Grant - Univ. of GA
715 Bay Street
Brunswick, GA 31520-4601
(912) 264-7268 FAX: 264-7312
kgates@arches.uga.edu

Richard Brock
Hawaii Sea Grant - Univ. of HI
2525 Correa Road, HIG 232
Honolulu, HI 96822
(808) 956-8191 FAX: 956-2858
Brockr@Hawaii.edu

Brian Miller, Extension Leader
Illinois-Indiana Sea Grant-Purdue Univ.
1200 Forest Products Building
West Lafayette, IN 47907
(765) 494-3573 FAX: 496-6026
bmiller@fnr.purdue.edu

Michael M. Liffman, Extension Leader
Louisiana Sea Grant - LA State Univ.
234 Sea Grant Building
Baton Rouge, LA 70803-7507
(225) 578-6290 FAX: 578-6331
mikelif@lsu.edu

Paul Anderson, Extension Leader
Maine Sea Grant - Univ. of ME
5715 Coburn Hall
Orono, ME 04469-5715
(207) 581-1422 FAX: 581-1426
panderson@maine.edu

Douglas Lipton, Extension Leader
Maryland Sea Grant - Univ. of MD
2200 Symons Hall
College Park, MD 20742
(301) 405-1280 FAX: 314-9091
dlipton@arec.umd.edu

Clifford Goudey, Extension Leader
**MIT Sea Grant - Massachusetts
Institute of Technology**
Building E38-300/Kendall Square
292 Main Street
Cambridge, MA 02139
(617) 253-7079 FAX: 252-1615
cgoudey@mit.edu

William Walton
Fisheries & Aquaculture Specialist
Woods Hole Sea Grant Program
Barnstable Cty. Cooperative Extension
PO Box 367
Barnstable, MA 02630
(508) 375-6849 FAX: 362-4923
wwaltont@whoi.edu

John D. Schwartz, Extension Leader
Michigan Sea Grant - MI State Univ.
334 Natural Resources Building
East Lansing, MI 48824-1222
(517) 355-9637 FAX: 353-6496
schwartzj@msue.msu.edu

Jeffrey L. Gunderson, Extension Leader
Minnesota Sea Grant - Univ. of MN.
2305 E. 5th Street
Duluth, MN 55812
(218) 726-8715 FAX: 726-6556
jgunder1@d.umn.edu

SEA GRANT EXTENSION PROGRAM

David C. Veal, Extension Leader
Mississippi Sea Grant Extension
Mississippi-Alabama Sea Grant
Mississippi State University
2710 Beach Blvd., Suite 1-E
Biloxi, MS 39531
(228) 388-4710 FAX: 388-1375
cdv@ra.msstate.edu

Michael P. Weinstein
President and Chief Executive Officer
New Jersey Sea Grant
New Jersey Marine Science Consortium
Building No. 22 Fort Hancock
Highlands, NJ 07732
(732) 872-1300 x21 FAX: 291-4483
mweinstein@njmsc.org

Dale R. Baker, Extension Leader
New York Sea Grant - Cornell Univ.
340 Roberts Hall
Ithaca, NY 14853-5905
(607) 255-2832 FAX: 255-2812
drb17@cornell.edu

Jack Thigpen, Extension Leader
North Carolina Sea Grant-NC State Univ.
P.O. Box 699
Manteo, NC 27954
(252) 441-3663 FAX: 441-7403
jthigpen@pinn.net

Frank R. Lichtkoppler
Co-Leader Extension
Ohio Sea Grant - OH State Univ.
99 East Erie Street
Painesville, OH 44077
(440) 350-2582 FAX: 350-5928
lichtkoppler.1@osu.edu

Fred L. Snyder, Co-Leader Extension
Ohio Sea Grant - OH State Univ.
Camp Perry - Building 3, Room 12
Port Clinton, OH 43452
(419) 635-1022 FAX: 635-1022
snyder.8@osu.edu

Jay Rasmussen, Extension Leader
Oregon Sea Grant - OR State Univ.
2030 South Marine Science Drive
Newport, OR 97365-5296
(541) 867-0368 FAX: 867-0369
Jay.Rasmussen@hmsc.orst.edu

Eric C. Obert, Extension Leader
Pennsylvania Sea Grant-PA State Univ.
Station Road
Erie, PA 16563
(814) 898-6420 FAX: 898-6462
ecol@psu.edu

Ruperto Chaparro, Extension Leader
Puerto Rico Sea Grant - Univ. of P.R.
PO Box 9011
Mayaguez, PR 00681-9011
(787) 832-8045 FAX: 265-2880
r_chaparro@rumac.uprm.edu

Ames B. Colt, Extension Leader
Rhode Island Sea Grant - Univ. of RI
Narragansett Bay Campus
Coastal Institute Building
Narragansett, RI 02882
(401) 874-6800 FAX: 789-8340
acol@gsu.uri.edu

Robert H. Bacon, Extension Leader
South Carolina Sea Grant
287 Meeting Street
Charleston, SC 29401

(843) 727-2075 FAX: 727-2080
Robert.Bacon@scseagrant.org

Ralph Rayburn, Extension Leader
Texas Sea Grant - TX A&M Univ.
2700 Earl Rudder Fwy South, Suite 1800
College Station, TX 77845
(979) 845-7524 FAX: 845-7525
ralphr@unix.tamu.edu

Jurij Homziak, Extension Asst. Prof.
Vermont Sea Grant - Univ. of VT
317 Aiken Center
Burlington, VT 05405
(802) 656-0682 FAX: 656-0683
jurij.homziak@uvm.edu

William D. DuPaul, Extension Leader
**Virginia Sea Grant - VA. Institute
of Marine Science**
Gloucester Pt., VA 23062
(804) 684-7163 FAX: 684-7161
dupaul@vims.edu

Pete Granger
Washington Sea Grant - Univ. of WA
Marine Advisory Services
3716 Brooklyn Avenue, NE
Seattle, Washington 98105
(206) 685-9261 FAX: 685-0380
pgranger@u.washington.edu

Jim Hurley, Assistant Director for
Research and Outreach
Wisconsin Sea Grant - Univ. of WI
Goodnight Hall, Floor 2
1975 Willow Drive
Madison, WI 53706-1103
(608) 262-0645 FAX: 262-0591
hurley@aqua.wisc.edu

NATIONAL SEA GRANT LIBRARY
(Clearinghouse for all Sea Grant Publications)
Pell Library, University of Rhode Island - Bay Campus
Narragansett, HI 02882
PHONE: 401-874-6160 -- nsgd.gso.uri.edu

ANADROMOUS SPECIES. These are species of fish that mature in the ocean, and then ascend streams to spawn in freshwater. In the Magnuson Act, these species include, but are not limited to, Atlantic and Pacific salmons, steelhead trout, and striped bass. See 42 FR 60682, Nov. 28, 1977.

ANALOG PRODUCTS. These include imitation and simulated crab, lobster, shrimp, scallops, and other fish and shellfish products fabricated from processed fish meat (such as surimi).

AQUACULTURE. The farming of aquatic organisms in marine, brackish or fresh water. Farming implies private or corporate ownership of the organism and enhancement of production by stocking, feeding, providing protection from predators, or other management measures. Aquaculture production is reported as the weight and value of cultured organisms at their point of final sale.

BATTER-COATED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a batter containing a leavening agent and mixture of cereal products, flavoring, and other ingredients, and partially cooked in hot oil a short time to expand and set the batter.

BOAT, OTHER. Commercial fishing craft not powered by a motor, e.g., rowboat or sailboat, having a capacity of less than 5 net tons. See motorboat.

BREADED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a non-leavened mixture containing cereal products, flavorings, and other ingredients. Breaded products are sold raw or partially cooked.

BREADED SHRIMP. Peeled shrimp coated with breading. The product may be identified as fantail (butterfly) and round, with or without tail fins and last shell segment; also known as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces whole shrimp or a combination of both without fins or shells.

BUTTERFLY FILLET. Two skin-on fillets of a fish joined together by the belly skin. See fillets.

CANNED FISHERY PRODUCTS. Fish, shellfish, or other aquatic animals packed in cans, or other containers, which are hermetically sealed and heat-sterilized. Canned fishery products may include milk, vegetables, or other products. Most, but not all, canned fishery prod-

ucts can be stored at room temperature for an indefinite time without spoiling.

COMMERCIAL FISHERMAN. An individual who derives income from catching and selling living resources taken from inland or marine waters.

CONSUMPTION OF EDIBLE FISHERY PRODUCTS. Estimated amount of commercially landed fish, shellfish, and other aquatic animals consumed by the civilian population of the United States. Estimates are on an edible-weight basis and have been adjusted for beginning and ending inventories of edible fishery products. Consumption includes U.S. production of fishery products from both domestically caught and imported fish, shellfish, other edible aquatic plants, animals, and imported products and excludes exports and purchases by the U.S. Armed Forces.

CONTINENTAL SHELF FISHERY RESOURCES. These are living organisms of any sedentary species that at the harvestable stage are either (a) immobile on or under the seabed, (b) unable to move except in constant physical contact with the seabed or subsoil of the continental shelf. The Magnuson Act now lists them as certain abalones, surf clam and ocean quahog, queen conch, Atlantic deep-sea red crab, dungeness crab, stone crab, king crabs, snow (tanner) crabs, American lobster, certain corals, and sponges.

CURED FISHERY PRODUCTS. Products preserved by drying, pickling, salting, or smoking; not including canned, frozen, irradiated, or pasteurized products. Dried products are cured by sun or air-drying; pickled or salted products are those products preserved by applying salt, or by pickling (immersing in brine or in a vinegar or other preservative solution); smoked products are cured with smoke or a combination of smoking and drying or salting.

DEFLATED VALUE. The deflated values referred to in this document are calculated with the Gross Domestic Products Implicit Price Deflator. The base year for this index is 1987.

EDIBLE WEIGHT. The weight of a seafood item exclusive of bones, offal, etc.

EEZ. See U.S. Exclusive Economic Zone.

EL NINO. This anomalous ocean warming of the eastern Equatorial Pacific occurs at time intervals varying from 2-10 years. El Nino conditions result in an accu-

mulation of warm water off South America which reduced the upwelling of nutrient-rich water necessary to support fisheries production. These conditions extended northward to the U.S. Pacific Coast. In addition to affecting the food available for fish, El Nino appears to alter the normal ranges, distributions, and migrations of fish populations.

EUROPEAN UNION. Austria, Belgium and Luxembourg, Denmark, Federal Republic of Germany, Finland, Greece, France, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

EXPORT VALUE. The value reported is generally equivalent to f.a.s. (free alongside ship) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance, and other charges or transportation cost beyond the port of exportation.

EXPORT WEIGHT. The weight of individual products as exported, i.e., fillets, steaks, whole, breaded, etc. Includes both domestic and foreign re-exports data.

EXVESSEL PRICE. Price received by the harvester for fish, shellfish, and other aquatic plants and animals.

FISH BLOCKS. Regular fish blocks are frozen blocks or slabs of fillets or pieces of fillets cut or sliced from fish. Minced fish blocks are frozen blocks or slabs of minced flesh produced by a meat and bone separating machine.

FISH FILLETS. The sides of fish that are either skinned or have the skin on, cut lengthwise from the backbone. Most types of fillets are boneless or virtually boneless; some may be labeled as “boneless fillets.”

FISH MEAL. A high-protein animal feed supplement made by cooking, pressing, drying, and grinding fish or shellfish.

FISH OIL. An oil extracted from body (body oil) or liver (liver oil) of fish and marine mammals; mostly a byproduct of fish meal production.

FISH PORTION. A piece of fish flesh that is generally of uniform size with thickness of 3/8 of an inch or more and differs from a fish stick in being wider or of a different shape. A fish portion is generally cut from a fish block.

FISH SOLUBLES. A water-soluble protein byproduct of fish meal production. Fish solubles are generally

condensed to 50 percent solids and marketed as “condensed fish solubles.”

FISH STEAK. A cross-section slice cut from a large dressed fish. A steak is usually about 3/4 of an inch thick.

FISH STICK. An elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish stick is generally cut from a fish block.

FISHERY MANAGEMENT PLAN (FMP). A plan developed by a Regional Fishery Management Council, or the Secretary of Commerce under certain circumstances, to manage a fishery resource in the U.S. EEZ pursuant to the MFCMA (Magnuson Act).

FISHING CRAFT, COMMERCIAL. Boats and vessels engaged in capturing fish, shellfish, and other aquatic plants and animals for sale.

FULL-TIME COMMERCIAL FISHERMAN. An individual who receives more than 50 percent of his or her annual income from commercial fishing activities, including port activity, such as vessel repair and re-rigging.

GROUND FISH. Broadly, fish that are caught on or near the sea floor. The term includes a wide variety of bottom fishes, rockfishes, and flatfishes. However, NMFS sometimes uses the term in a narrower sense. In “Fisheries of the United States,” the term applies to the following species--Atlantic and Pacific: cod, hake, ocean perch, and pollock; cusk; and haddock.

IMPORT VALUE. Value of imports as appraised by the U.S. Customs Service according to the Tariff Act of 1930, as amended. It may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country, and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

IMPORT WEIGHT. The weights of individual products as received, i.e., fillets, steaks, whole, headed, etc.

INDUSTRIAL FISHERY PRODUCTS. Items processed from fish, shellfish, or other aquatic plants and animals that are not consumed directly by humans. These items contain products from seaweeds, fish meal, fish oils, fish solubles, pearl essence, shark and other aquatic animal skins, and shells.

INTERNAL WATER PROCESSING (IWPs). An operation in which a foreign vessel is authorized by the governor of a state to receive and process fish in the internal waters of a state. The Magnuson Act refers to internal waters as all waters within the boundaries of a state except those seaward of the baseline from which the territorial sea is measured.

JOINT VENTURE. An operation authorized under the MFCMA (Magnuson Act) in which a foreign vessel is authorized to receive fish from U.S. fishermen in the U.S. EEZ. The fish received from the U.S. vessel are part of the U.S. harvest.

LANDINGS, COMMERCIAL. Quantities of fish, shellfish, and other aquatic plants and animals brought ashore and sold. Landings of fish may be in terms of round (live) weight or dressed weight. Landings of crustaceans are generally on a live-weight basis except for shrimp which may be on a heads-on or heads-off basis. Mollusks are generally landed with the shell on, but for some species only the meats are landed, such as sea scallops. Data for all mollusks are published on a meat-weight basis.

MAGNUSON-STEVENSON FISHERY CONSERVATION AND MANAGEMENT ACT, Public Law 94-265, as amended. The Magnuson-Stevens Act provides a national program for the conservation and management of fisheries to allow for an optimum yield (OY) on a continuing basis and to realize the full potential of the Nation's fishery resources. It established the U.S. Exclusive Economic Zone (EEZ) (formerly the FCZ - Fishery Conservation Zone) and a means to control foreign and certain domestic fisheries through PMPs and FMPs. Within the U.S. EEZ, the United States has exclusive management authority over fish (meaning finfish, mollusks, crustaceans, and all other forms of marine animal and plant life other than marine mammals, birds, and highly migratory species of tuna). The Magnuson Act provides further exclusive management authority beyond the U.S. EEZ for all continental shelf fishery resources and all anadromous species throughout the migratory range of each such species, except during the time they are found within any foreign nation's territorial sea or fishery conservation zone (or the equivalent), to the extent that such a sea or zone is recognized by the United States.

MARINE RECREATIONAL FISHING. Fishing for pleasure, amusement, relaxation, or home consumption.

MARINE RECREATIONAL CATCH. Quantities of finfish, shellfish, and other living aquatic organisms caught, but not necessarily brought ashore, by marine recreational fisherman.

MARINE RECREATIONAL FISHERMEN. Those people who fish in marine waters primarily for recreational purposes. Their catch is primarily for home consumption, although occasionally a part or all of their catch may be sold and enter commercial channels. This definition is used in the NMFS Marine Recreational Fishery Statistics Survey, and is not intended to represent a NMFS policy on the sale of angler-caught fish.

MAXIMUM SUSTAINABLE YIELD (MSY). MSY from a fishery is the largest annual catch or yield in terms of weight of fish caught by both commercial and recreational fishermen that can be taken continuously from a stock under existing environmental conditions. A determination of MSY, which should be an estimate based upon the best scientific information available, is a biological measure necessary in the development of optimum yield.

METRIC TONS. A measure of weight equal to 1,000 kilograms, 0.984 long tons, 1.1023 short tons, or 2,204.6 pounds.

MOTORBOAT. A motor-driven commercial fishing craft having a capacity of less than 5 net tons, or not officially documented by the Coast Guard. See "boat, other".

NORTHWEST ATLANTIC FISHERIES ORGANIZATION (NAFO). This convention, entered into force January 1, 1979, replaces ICNAF. NAFO provides a forum for continued multilateral scientific research and investigation of fishery resources that occur beyond the limits of coastal nations' fishery jurisdiction in the northwest Atlantic, and will ensure consistency between NAFO management measures in this area and those adopted by the coastal nations within the limits of their fishery jurisdiction.

OPTIMUM YIELD (OY). In the MFCMA (Magnuson Act), OY with respect to the yield from a fishery, is the amount of fish that (1) will provide the greatest overall benefit to the United States, with particular reference to food production and recreational opportunities; and (2) is prescribed as such on the basis of maximum sustainable yield from such fishery, as modified by any relevant ecological, economic, or social factors.

PART-TIME COMMERCIAL FISHERMAN. An individual who receives less than 50 percent of his or her annual income from commercial fishing activities.

PER CAPITA CONSUMPTION. Consumption of edible fishery products in the United States divided by the total civilian population. In calculating annual per capita consumption, estimates of the civilian resident population of the United States on July 1 of each year are used. These estimates are taken from current population reports, series P-25, published by the U.S. Bureau of the Census.

PER CAPITA USE. The use of all fishery products, both edible and nonedible, in the United States divided by the total population of the United States.

PRELIMINARY FISHERY MANAGEMENT PLAN (PMP). The Secretary of Commerce prepares a PMP whenever a foreign nation with which the United States has made a Governing International Fishery Agreement (GIFA) submits an application to fish in a fishery not managed by an FMP. A PMP is replaced by an FMP as soon as the latter is implemented. A PMP applies only to foreign fishing.

RE-EXPORTS. Re-exports are commodities which have entered the U.S. as imports and are subsequently exported in substantially the same condition as when originally imported.

RETAIL PRICE. The price of fish and shellfish sold to the final consumer by food stores and other retail outlets.

ROUND (LIVE) WEIGHT. The weight of fish, shellfish, or other aquatic plants and animals as taken from the water; the complete or full weight as caught. The tables on world catch found in this publication include, in the case of mollusks, the weight of both the shells and the meats, whereas the tables on U.S. landings include only the weight of the meats.

SURIMI. Minced fish meat (usually Alaska pollock) which has been washed to remove fat and undesirable matters (such as blood, pigments, and odorous substances), and mixed with cryoprotectants, such as sugar and/or sorbitol, for a good frozen shelf life.

TOTAL ALLOWABLE LEVEL OF FOREIGN FISHING (TALFF). The TALFF, if any, with respect to any fishery subject to the exclusive fishery management authority of the United States, is that portion of the optimum yield of such fishery which will not be harvested by vessels of the United States, as determined by provisions of the MFCMA.

U.S. EXCLUSIVE ECONOMIC ZONE (EEZ). The MSFCMA (Magnuson-Stevens Act) defines this zone as contiguous to the territorial sea of the United States and extending seaward 200 nautical miles measured from the baseline from which the territorial sea is measured. This was formerly referred to as the FCZ (Fishery Conservation Zone).

U.S.-FLAG VESSEL LANDINGS. Includes landings by all U.S. fishing vessels regardless of where landed as opposed to landings at ports in the 50 United States. These include landings at foreign ports, U.S. territories, and foreign vessels in the U.S. FCZ under joint venture agreements. U.S. law prohibits vessels constructed or registered in foreign countries to land fish catches at U.S. ports.

U.S. TERRITORIAL SEA. A zone extending 3 nautical miles from shore for all states except Texas and the Gulf Coast of Florida where the seaward boundary is 3 marine leagues (9 nautical miles)

USE OF FISHERY PRODUCTS. Estimated disappearance of the total supply of fishery products, both edible and nonedible, on a round-weight basis without considering beginning or ending stocks, exports, military purchases, or shipments to U.S. territories.

VESSEL. A commercial fishing craft having a capacity of 5 net tons or more. These craft are either enrolled or documented by the U.S. Coast Guard and have an official number assigned by that agency.

WHOLESALE FISH AND SHELLFISH PRICES. Those prices received at principal fishery markets by primary wholesalers (processors, importers, and brokers) for customary quantities, free on board (f.o.b.) warehouse.

Statistical Subject Index

AQUACULTURE

Production 22

CLAMS

Aquaculture, 22
Canned, 56
Exports, 68
Imports, 61
Landings, 4, 13, 19
Supply, 81
Value of landings, 4, 13, 19

CONSUMPTION

Canned, 85, 86
Cured, 85
Fillets and steaks, 86
Fresh and frozen, 85
Per capita, U.S., 85
Per capita, use, 89
Salmon, canned, 86
Sardines, canned, 86
Shellfish, canned, 86
Shrimp, 86
Sticks and portions, 86
Tuna, canned, 86
World, 87

CRABS

Canned, 56, 79
Exports, 67, 72,
Imports, 60
Landings, 3, 12, 18, 20, 21,
Supply, 79
Value of landings, 3, 12, 18, 20, 21
World catch, 50

DISPOSITION OF LANDINGS

United States, 5
World, 50

EMPLOYMENT

Processors and wholesalers, 93
Region and State, 93

EXPORTS

All fishery products, 67
Crabs, 67, 72
Crabmeat, 67, 72
Continent and country, by, 69

Cured, 67
Edible, by years, 68
Fish meal, 67, 73, 83
Herring, 67
Nonedible, by years, 68
Oils, 67, 73, 83
Principal items, 67
Salmon, canned, 67, 71, 78
Salmon, whole or eviscerated, 67, 71
Sardines, canned, 67, 78
Shrimp, canned, 67, 82
Shrimp, domestic and foreign
products, 70, 82
Shrimp, fresh and frozen, 67, 70
Snow (tanner) crab, 79
Value, by years, 68
Volume, by years, 68
World, by country, 50

FLOUNDERS

Fillets, 55
Landings, 1, 8, 14
Value of landings, 1, 8, 14

GROUND FISH FILLETS AND STEAKS

Exports, 68
Fillets, supply, 77
Imports, 61, 77

HALIBUT

Fillets and steaks, 55
Landings, 1, 9, 15
Value of landings, 1, 9, 15

HERRING, SEA

Canned (sardines), 56
Consumption (sardines), per
capita, 86
Landings, 1, 9, 15
Exports (sardines), 67
Imports (sardines), 60
Value of landings, 1, 9, 15
World catch, 50

IMPORTS

All fishery products, 60, 61
Blocks and slabs, 60, 63
Clams, canned, 60
Continent and country, by, 62

Crabmeat, canned, fresh and frozen,
60,
Cured, 60
Edible, 60, 61, 62
Fillets, groundfish, 60, 63
Fillets, other than groundfish and
ocean perch, 60
Groundfish, 60, 63,
Herring, canned, 60
Industrial, 66,
Lobsters, canned, 60
Lobsters, fresh and frozen, 60
Meal and scrap, 60, 66
Nonedible, 60, 61, 62
Oils, 60,
Oysters, canned, 60
Principal items, 60
Quota, canned tuna, not in oil, 64
Salmon, canned, 60
Salmon, fresh and frozen, 60
Sardines, canned, 60
Scallop meats, 60
Shellfish, 61
Shrimp, by country, 66
Shrimp, by products, 66
Tuna, canned, 60, 64
Tuna, fresh and frozen, 60
Value, by years, 61
Volume, by year, 61
World, by country, 50

INSPECTION

Establishments and amount
inspected, 94

LANDINGS

Disposition, 5
Foreign shores, off, 8, 13
Human food (edible), 5
Industrial, 5
Months, by, 5
Ports, major U.S., 7
Record year, by states, 6
Species, 1, 8, 13
State and region, current, 6
Territory, 20
U.S. shores, distance from, 8, 13
World, 50, 51, 52

Statistical Subject Index

LOBSTERS, AMERICAN

Imports, 60
Landings, 3, 12, 18
Supply, 80
Value of landings, 3, 12, 18

LOBSTER, SPINY

Imports, 60
Landings, 3, 12, 18, 20, 21
Supply, 88
Value of landings, 3, 12, 18, 20, 21

MACKERELS

Landings, 2, 9, 15, 21
Value of landings, 2, 9, 15, 21
World catch, 50

MAGNUSON - SEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (MSFCMA)

Fishery Management Plan, 95
General description, 95
Optimum yield by species, 100
Permits, foreign fishing, 98
Regional Fishery Management
Councils, 97

MEAL AND SCRAP

Exports, 67, 73
Imports, 60, 66
Production, U.S., 58
Supply, 83
World disposition, 50

MENHADEN

Landings, 2, 9, 15
Value of landings, 2, 9, 15

OIL

Exports, 67
Imports, 60
Production, 58
Supply, 83
World disposition, 50

OYSTERS

Aquaculture, 22
Canned, 56
Imports, 60
Landings, 4, 13, 19

Supply, 81
Value of landings, 4, 13, 19
World catch, 50

PLANTS AND FIRMS

Employment, 93
Processors and wholesalers, 93

PRICES

Exvessel index, 92

PROCESSING

Animal food and bait, canned, 54,
56, 57
Canned products, 54, 57
Clams, canned, 56
Crabs, canned, 56
Employment in, 93
Fillets and steaks, fresh
and frozen, 55
Industrial products, 58
Meal, oil, 54, 58
Oysters, canned, 56
Plants, number of, 93
Salmon canned, 56
Sardines, canned, 56
Shrimp, canned, 56
Sticks, portions, and
breaded shrimp, 54

RECREATIONAL FISHERIES

Harvest by species, 29
Harvest by species and by fishing
mode, 33
Harvest by species and by distance
from shore, 38
Harvest and live releases by year, 43
Harvest and live releases by state, 48
MRFSS, program description, 26
Number of anglers by state, 49
Number of fishing trips by state, 49
Statistical survey coverage, 28
Statistical data types/definitions, 26

SALMON

Aquaculture, 22
Canned, 56
Consumption, per capita, 86
Exports, 67, 71

Fillets and steaks, 55
Imports, 60
Landings, 2, 10, 16
Supply, canned, 78
Value of landings, 2, 10, 16
World catch, 50

SARDINES

Canned, 56, 78
Consumption, per capita, 86
Exports, 67, 78
Imports, 60
Landings, 2, 10, 16
Supply, canned, 78
World catch, 50

SCALLOPS

Exports, 67
Imports, 60
Landings, 4, 13, 19
Supply, 81
Value of landings, 4, 13, 19
World catch, 50

SHRIMP

Aquaculture, 22
Breaded, 54
Canned, 56, 60, 82
Consumption, per capita, 86
Exports, 67, 70
Imports, 60, 66
Landings, head-off, 82
Landings, head-on, 3, 12, 18
Supply, canned, 82
Supply, total, 82
Value of landings, 3, 12, 18
World catch, 50

SUPPLY

All fishery products, 74, 75
Clam meats, 81
Crabs, 79
Crabmeat, 79
Edible fishery products, 74, 75
Fillets and steaks, all, 76
Fillets and steaks, groundfish, 76
Finfish, 75

Statistical Subject Index

SUPPLY

Industrial Products, 75, 76
Lobster, American, 81
Lobster, spiny, 80
Meal, 83
Oil, 83
Oysters, 81
Salmon, canned, 78
Sardines, canned, 78
Scallop meats, 81
Shellfish, 75
Shrimp, 82
Tuna, 78

SWORDFISH

Landings, 3, 11, 17
Value of landings, 3, 11, 17

TUNA

Canned, 56, 60, 64, 78
Consumption, per capita, 87

TUNA

Exports, 67
Fresh and Frozen, 77
Imports, 60, 64
Landings, 3, 11, 17, 20, 21
Quota, imports, canned, 64
Supply, canned, 74
Value of landings, 3, 11, 17,
20, 21
World catch, 50

USE

Per capita, 89
Landings, by month, 5
Valued added, 90

WHITING

Landings, 1, 9, 15
Value of landings, 1, 9, 15

WORLD FISHERIES

Acquaculture, 50
Catch by countries, 51
Catch by major fishing areas, 51
Catch by species groups, 50
Catch by year, 50
Catch by water type, 50, 51
Consumption, 87
Disposition, 50
Imports and exports value, 52

Federal Inspection Marks for Fishery Products

SEAFOOD INSPECTION PROGRAM. The U.S. Department of Commerce (USDC), National Marine Fisheries Service, a part of the National Oceanic and Atmospheric Administration, conducts a voluntary seafood inspection program on a fee-for-service basis. A HACCP-based service is also available. Services provided by the program include vessel and plant sanitation, product inspection and grading, label reviews, product specification reviews, laboratory analyses, training, education and information. Inspection and certification services are available nationwide and in U.S. territories for all interested parties. Consultative services are provided in foreign countries. Inspection and certification services are also provided for imported and exported products. The USDC Seafood Inspection Program also provides HACCP training, plan development, implementation assistance, and verification service to industry (domestic and foreign) for the purpose of demonstrating compliance with FDA's HACCP rule (21 CFR Parts 123 and 1240) regarding "Procedures for the Safe and Sanitary Processing and Importing of Fish and Fishery Products" which was implemented December 18, 1997.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. The U.S. Department of Agriculture recommends that USDC inspected products be purchased for its food feeding programs. **The USDC APPROVED LIST OF FISH ESTABLISHMENTS AND PRODUCTS**, published bi-annually, provides a listing of products and participants who contract with USDC.

USDC INSPECTION MARKS. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Seafood Inspection Division and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have been certified as being safe, wholesome, and properly labeled.

"US GRADE A" MARK. The U.S. GRADE A mark signifies that a product has been processed under federal inspection in an approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

"PROCESSED UNDER FEDERAL INSPECTION" MARK. The PUF mark or statement signifies that the product has been inspected in an approved facility and was found to be safe, wholesome and properly labeled according to approved specifications or criteria. The language within the PUF mark has been amended to "Processed Under Federal Inspection" to reflect actual inspection procedures and the regulatory requirements for use of the mark.

"LOT INSPECTED" MARK. The USDC Lot Inspected mark identifies products that were officially sampled and inspected to conform to an approved specification or criteria. This mark may be used on retail packages and packaging provided the label and specification are approved.

"RETAIL" MARK. In response to requests made by industry, a new mark has been created for retail or food service establishments. Participants qualify for use of the "Retail Mark" by receiving the USDC HACCP-based service or being under contract for sanitation services and associated product evaluation. Usage of such a mark will give the retail industry the opportunity to advertise on their banners, logos, or menus that their facility has been recognized by USDC for proper sanitation and handling of fishery products.



USDC HACCP MARK. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry USDC-certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence. The USDC has made available a HACCP mark and a "banner" to distinguish products that have been produced under the HACCP-based program. The HACCP banner must be used as an attachment to existing inspection grade marks. Establishments meeting HACCP program requirements may use these marks in conjunction with promotional material, packaging, point-of-sale notices, and menus.

FOR FURTHER INFORMATION:
U.S. Department of Commerce, NOAA/NMFS
Seafood Inspection Division - F/SI
1315 East-West Highway
Silver Spring, MD 20910
(301) 713-2355 (FAX: 713-1081)
Toll Free: 1-800-422-2750
Internet: <http://seafood.nmfs.gov>